

**TOPOGRAPHIC SURVEY CONTROL POINT RECORD**

STATION LONG NAME	BA09
STATION NUMBER	BA09
4 CHAR ID	BA09
COUNTRY	IRAQ
LOCATION	BASRAH CITY
SURVEYING AGENCY	IGRS
DATE (OF DESCRIPTION)	09 AUG 05

CONTENTS	YES	NO	NO OF PAGES
FIELD COORDINATE VALUES	X		1
OFFICE COORDINATE VALUES	X		1
STATION MONUMENT & SITE DETAILS	X		1
STATION DIAGRAM	X		1
ACCESS MAP	X		1
ACCESS DESCRIPTION	X		1
APPROACH PHOTOGRAPHS	X		1
CARDINAL POINT PHOTOGRAPHS	X		2

**RECORD OF VISITS**

DATE OF VISIT	NAME	UNIT	REMARKS

**ADDITIONAL DETAILS/ENCLOSURES**

CONTENTS	NO OF PAGES

## FIELD COORDINATE VALUES

STATION LONG NAME	BA09
4 CHAR ID	BA09
STATION NUMBER	BA09

THIS STATION IS NEW	YES
IDENTICAL / NEARLY IDENTICAL WITH	N/A

### FIELD VALUES FROM THE RECEIVER / HAND HELD GPS – IN WGS84

LATITUDE N	30° 33' 23.6"
LONGITUDE E	047° 46' 30.5"
HT (M)	+3.6
GRID ZONE DESIGNATOR	38R
UTM / MGRS GRID	38R QU 662 837
SURVEYING AGENCY	IGRS

FIELD INPUT BY: LCPL COLWELL	UNIT: IGRS	DATE: 09 AUG 2005
FIELD CHECKED BY: SGT RUEPONG	UNIT: IGRS	DATE: 09 AUG 2005

## OFFICE COORDINATE VALUES

### WGS 84 ADJUSTED VALUES AS AT: 25 Aug 05

LATITUDE N	30° 33' 23.49046"
LONGITUDE E	047° 46' 30.47266"
SPHEROIDAL HT (M)	-13.298
EGM96 GEOID MODEL HT (M)	-15.371
ORTHOMETRIC HT (M)	2.073
VERTICAL DATUM	WGS 84
GEOID MODEL USED	EGM 96
RELATIVE TO	CORS STATIONS
RELATIVE POSITION ACCURACY	0.022
RELATIVE HEIGHT ACCURACY	0.020
ADJUSTING AGENCY	OPUS
ADJUSTMENT DATE	25 AUG 2005

### LOCAL DATUM VALUES AS AT: 25 Aug 05

SPHEROID	N/A
PROJECTION	N/A
GRID	N/A
VERTICAL DATUM	N/A
LATITUDE N / S	N/A
LONGITUDE E / W	N/A
EASTINGS (M)	N/A
NORTHINGS (M)	N/A
SPHEROIDAL HT (M)	N/A
ORTHOMETRIC HT (M)	N/A
GRID ZONE DESIGNATOR	N/A
TRANSFORMATION AGENCY	N/A
TRANSFORMATION DATE	N/A

GRAVITY VALUE: N/A	TYPE OF STN: N/A	REF: N/A
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AIR PHOTO: N/A	REF: N/A	SCALE: N/A
IMAGERY: N/A	REF: N/A	SCALE: N/A

OFFICE INPUT BY: LCPL COWARD	UNIT: IGRS	DATE: 25 AUG 2005
OFFICE CHECKED BY: LCPL DICKEN	UNIT: IGRS	DATE: 25 AUG 2005

**STATION MONUMENT AND SITE DETAILS**

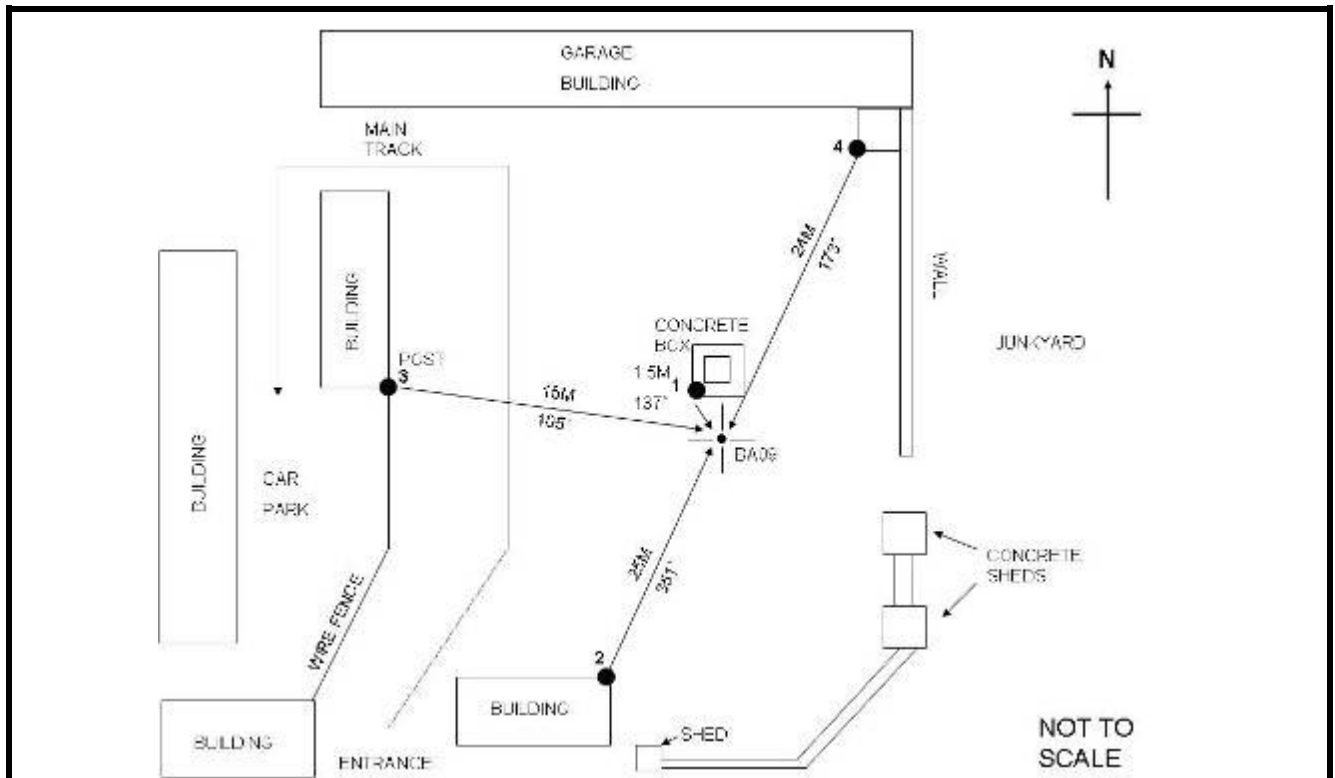
<b>STATION LONG NAME: BA09</b>	
<b>STATION NUMBER: BA09</b>	<b>4 CHAR ID: BA09</b>
<b>LOCATION: BASRAH CITY</b>	<b>COUNTRY: IRAQ</b>
<b>STATION ADDRESS: N/A</b>	
<b>TEL: N/A</b>	<b>FAX: N/A</b>
<b>LAND OWNER ADDRESS: N/A</b>	
<b>TEL: N/A</b>	<b>FAX: N/A</b>
<b>TYPE OF MARK: HARN</b>	
<b>CONDITION: GOOD</b>	
<b>MARK SETTING: FINE MARK ON REBAR</b>	<b>NO OF REBARS: 15</b>

**MONUMENT PHOTO / SKETCH**

<b>PREPARED BY: LCPL COLWELL</b>	<b>UNIT: IGRS</b>	<b>DATE: 09 AUG 2005</b>
<b>CHECKED BY: SGT RUEPONG</b>	<b>UNIT: IGRS</b>	<b>DATE: 09 AUG 2005</b>

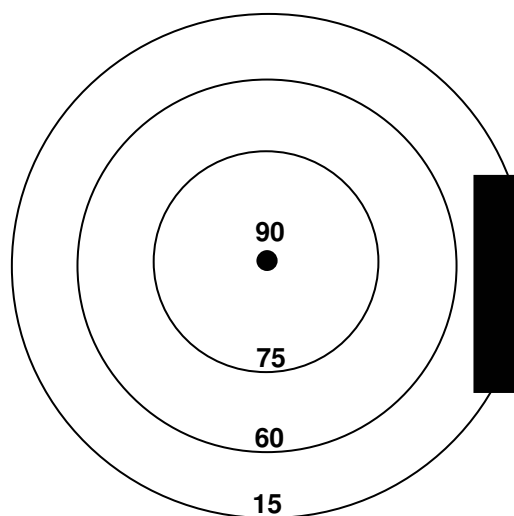
# STATION DIAGRAM

STATION LONG NAME: BA09	
STATION NUMBER: BA09	4 CHAR ID: BA09



NO	DESCRIPTION	BRG/HORZ ANGLE	DISTANCE
1	LEFT EDGE OF CONCRETE BOX	137°	1.5m
2	CORNER OF BUILDING	351°	25m
3	POST BY FENCE	105°	15m
4	CORNER SHED BUILDING	173°	24m

## OBSCURITY DETAILS



PREPARED BY: LCPL COLWELL	UNIT: IGRS	DATE: 09 AUG 2005
CHECKED BY: SGT RUEPONG	UNIT: IGRS	DATE: 09 AUG 2005

## ACCESS MAP

STATION LONG NAME: BA09

**STATION NUMBER: BA09**

**4 CHAR ID: BA09**

## MAP DETAILS

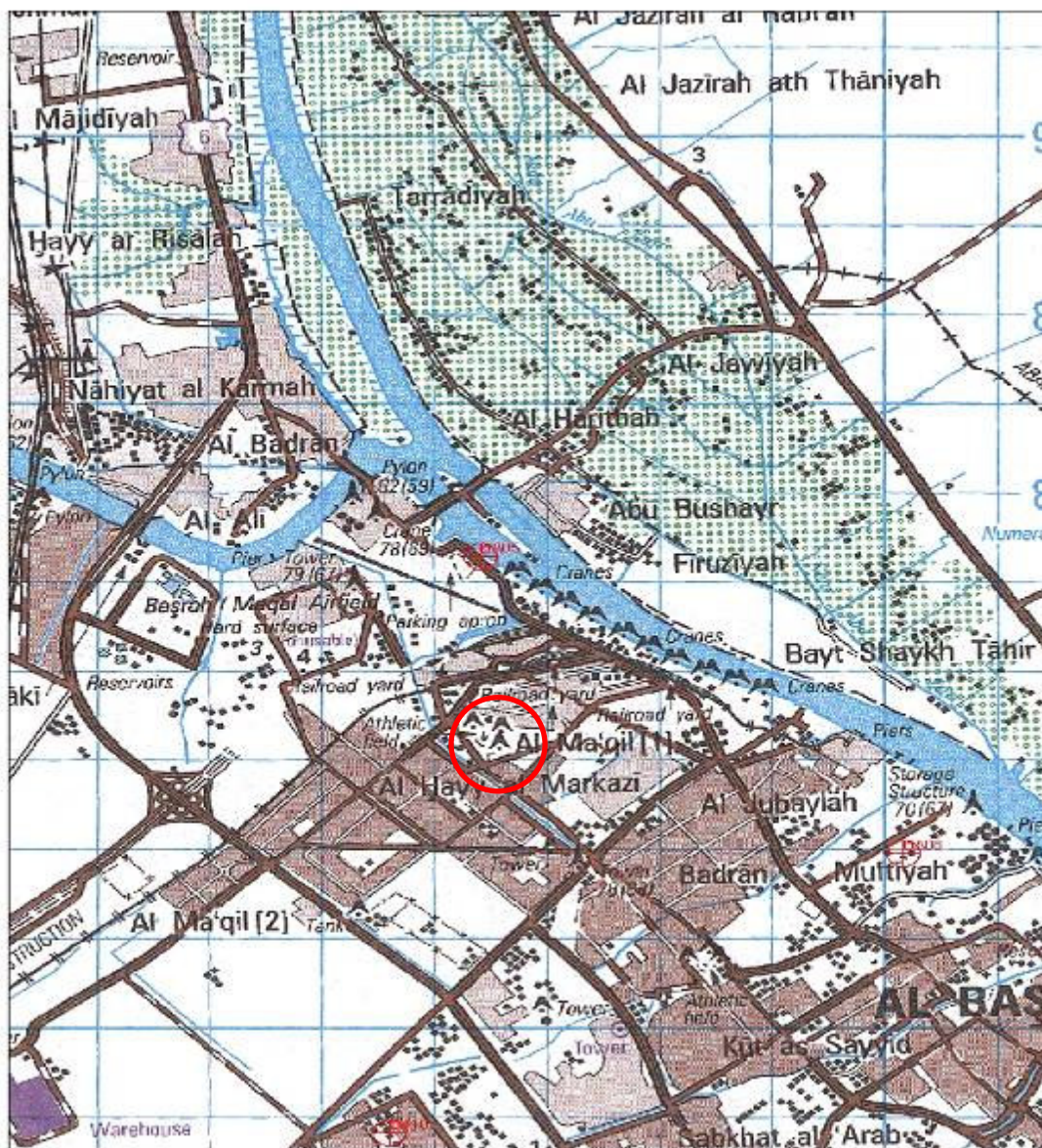
**SERIES: K643**

**SHEET: 5551**

**EDITION: 5**

**SCALE: 1:100,000**

**GR: 38R QU 662 837**



**PREPARED BY: LCPL COLWELL**

UNIT: IGRS

**DATE: 09 AUG 2005**

**CHECKED BY: SGT RUEPONG**

UNIT: IGRS

DATE: 09 AUG 2005

## ACCESS DESCRIPTION

<b>STATION LONG NAME: BA09</b>		
<b>STATION NUMBER: BA09</b>		<b>4 CHAR ID: BA09</b>

<b>MAP DETAILS</b>	<b>SERIES: K643</b>	<b>SHEET: 5551</b>
<b>EDITION: 5</b>	<b>SCALE: 1:100,000</b>	<b>GR: 38R QU 662 837</b>

From the major junction at gr 38R QU 637 826 travel along route 6 in a south easterly direction into Basrah until cross roads at gr 38R QU 645 818. Turn left travelling in a north easterly direction through the Al Hayy Al Markazi district, crossing over bridge on the Qanat Garimat Ali waterway until cross roads at gr 38R QU 662 834. Turn left and follow road around to main entrance of iraqi army barracks at gr 38R QU 661 837. Point in centre of compound next to concrete box at gr 38R QU 662 837.

<b>PREPARED BY: LCPL COLWELL</b>	<b>UNIT: IGRS</b>	<b>DATE: 09 AUG 2005</b>
<b>CHECKED BY: SGT RUEPONG</b>	<b>UNIT: IGRS</b>	<b>DATE: 09 AUG 2005</b>



# APPROACH PHOTOGRAPHS

STATION LONG NAME: BA09

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## NEAR APPROACH FACING NORTH



## FAR APPROACH FACING NORTH



TAKEN BY: LCPL COLWELL

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# CARDINAL PHOTOGRAPHS

STATION LONG NAME: BA09

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NORTH



SOUTH



TAKEN BY: LCPL COLWELL

DATE TAKEN: 09 AUG 2005

PAGE 8 OF 9

REVISION DATE: 05 FEB 98

TOPO FORM 01j

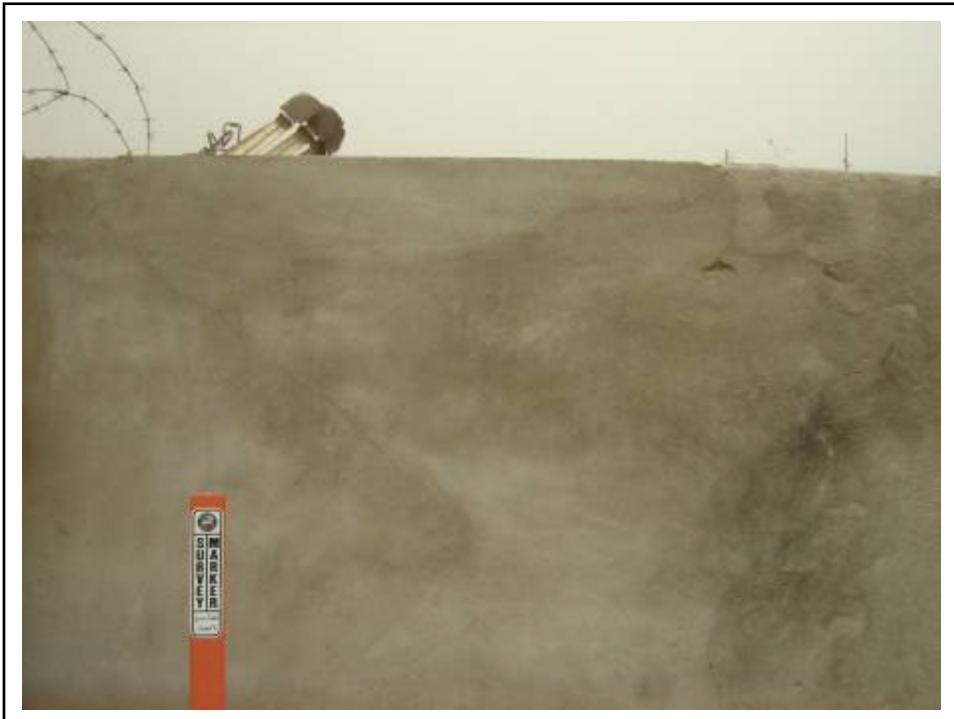
# CARDINAL PHOTOGRAPHS

STATION LONG NAME: BA09

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EAST



WEST



TAKEN BY: LCPL COLWELL

DATE TAKEN: 09 AUG 2005